DXpedition News

Eastern Malaysia - 9M6 Isao Numaguchi JH1ROJ will be active as **JH1ROJ/9M6** (or perhaps with a 9M6 call) Dec. 20-26. Usual DX frequencies: 3505, 7005, 14025, 21025, and 28025 kHz on CW, and 3795, 14195, 21295, and 28495 kHz on SSB. He'll also try RTTY. QSL home call: 4-9-31 Naka-Aoki, Kawaguchi, Saitama 332 Japan.

Ascension Island - ZD8 Jim Neiger N6TJ returns to Ascension as **ZD8Z** (AF-03) Jan. 8-15. He'll concentrate on 160 and 6 meters. Try 1832 or 1838 kHz before local sunrise, at 0650Z. He'll be on the new bands during the day. QSL to W6CF.

US Virgin Islands - KP2 Jon NL7GP has found KP2 warmer than KL7, and has extended his stay as **NK7GP/NP2** (NA-106) to Jan. 15. He'll be especially active on the new bands. QSL home call.

Edited by Chod Harris VP2ML

The DX Bulletin

America's Premier Weekly Amateur Radio Publication

French Polynesia - FO Rich Assarabowski K1CC will operate as **FOØCC** Dec. 24-Jan. 9 from Tahiti (OC-46) and Bora Bora (OC-67). Usual DX frequencies, concentrating on CW. QSL home call.

British Virgin Islands - VP2V Ben Pinz W2GUP returns to Tortola (NA-23) Jan. 18, staying until Mar. 6. CW only, near the low ends of the bands, with emphasis on 40 and 80 meters, listening up 2 kHz. QSL direct with SASE, please, to *Callbook* address.

Happy Holidays!

The Editor and Staff of *The DX Bulletin* wish each of our readers a most pleasant Holiday season, and great DX in 1991. May YA, ZA, 5A, CEØX, 5R, FT/W, D2, 4J, and all the other Most Wanted Countries fill your logbook in the coming months. de Chod, Amy, Jonnika, and Donica.

December 21, 1990 Issue 568

Shortly Noted

▪ **3W4DK** was operated by UA3DK, who heads to Mongolia JT this week. QSL home call.

▪ **4K1ADQ** will be operated for one year by UA1ADQ, beginning in February, from the Soviet Bellinghausen station in the South Shetlands (AN-10). QSL to home call.

▪ **ZD8VJ** is Andy G4ZVJ, who starts another six-month tour on Ascension (AF-03) Jan. 14. Mostly CW, but also digital modes. QSL home call.

▪ **OH7XM**, who was active recently from Sierra Leone, moves on to Guinea 3X, and may be active.

▪ **9M8AX** and **9M8BZ** will be operated by 9M2AX and 9M2BZ Jan. 25-27, concentrating on 160 meters. Try 1820-32, except 1824-27 kHz. Sunset 1045Z, sunrise 2250Z. QSL home calls. (All above thanks to DX News Sheet.)

▪ **Rwanda** will be available on the low bands Dec. 26-27, thanks to **9X5HG, 9X5NH** and **9X5W**. Try 160-40 meters 21-0300Z. Sunset 1600Z, sunrise 0400Z.

▪ **Canadian** amateurs may use special prefixes in February, as follows: VE1-8: **CG1-8**; VY1: **VG1**; VY2: **VG2**; VY9: **VG9**; and VO1-2: **VO5-6**. These prefixes are in honor of the Canada Winter Games. QSL corresponding calls.

▪ **C9QL**'s Mozambique documentation has been accepted by the ARRL DXCC desk. No word yet on the Colvins' next operation.

▪ **LG5LG** in Morokulien will be active Dec. 22-29, by PA3DUU. QSL to LA9DFA. (This tiny enclave on the border between Norway and Sweden does **not** count as a separate DXCC country.)

▪ **WØRLX/KH5** and **K9AJ/KH5K** logs will be closed Jan. 15, according to QSL manager WA2MOE.

▪ **PacketCluster** conflicts with the Sarex STS-35 mission should be reported to Amsat, c/o KO5I. Amsat will make no effort to find an alternate frequency if sysops don't report any problems encountered in the recent mission.

▪ **DXCC backlog** has been whittled down to 4,248, as of Dec. 9. The gang working on the backlog processed 253 applications and endorsements, and received only 89. As of Dec. 7, they were working on new applications received Aug. 31, and endorsements received on June 13.

▪ **NA 5.16 bug?** KR2Q reports that K8CC's popular NA software, which many operators used in the 10-meter test, may have a bug in the multipliers. WB2BHC reports that it sometimes doesn't recognize countries from states with the same abbreviations. Check your log carefully for: OK LA OH PA ON CO CT and HI multipliers. (My copy of NA 5.16 does **not** have this problem. -ed.)

▪ **SSB Net** check-ins: **14222 kHz**: VP8CEG EA8BOE; **14227**: VK9LH VQ9HW C53GH 8Q7BQ Z21HD TZ6VV 5V7SA 5N6ZHM; **21335**: 5T5/N5JRC 3DAØBX SV9AHZ C31SD UD6DR UF6FHI UC2SF 9J2CF AP2JZB ZD7CW TA5C UO4OF 4K2PGO.

▪ **RTTY** report: **V31AR** 14070 ARQ 0500Z; **FR5ZD** 14081 FEC 1940Z; **TY1PS** 21074 ARQ 2145Z; **VR6WH** 14088 0700Z; **9J2BO** 21088 0930Z; **ZB2JB** 21090 1500Z; **TU2BB** 14076 ARQ 2345Z; **BV2B** 14090 0330Z; **ZD9BV** 28096 1030Z; **5V7DP** 28093 1350Z; **UJ8JCQ** 21083 0550Z; **RL8PYL** 14087 0625Z; **V85GA** 14081 ARQ 2215Z.

Propagation

Forecast and Historical Data

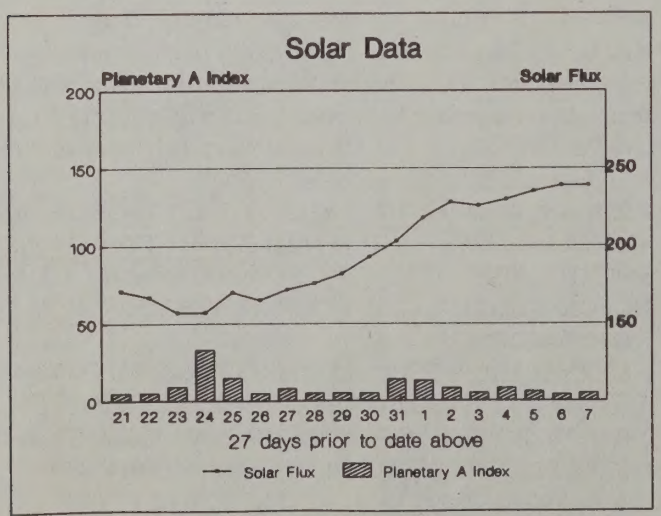
Day	Forecast	27 Days Before			55 Days Before		
December 1990		Date	Flux	A K	Date	Flux	A K
21	High Normal	11/24	171	01/05 0	10/27	164	06/08 2
22	High Normal	11/25	167	04/05 1	10/28	152	03/05 1
23	High Normal	11/26	157	08/09 1	10/29	156	07/08 3
24	Disturbed	11/27	157	29/33 4	10/30	154	20/15 2
25	High Normal	11/28	170	14/15 4	10/31	143	21/21 3
26	Above Normal	11/29	165	03/05 2	11/01	145	06/07 1
27	High Normal	11/30	165	07/08 2	11/02	140	09/08 2
28	Above Normal	12/01	176	03/05 1	11/03	151	06/07 1
29	Above Normal	12/02	182	03/05 2	11/04	156	02/05 0
30	Above Normal	12/03	193	04/05 2	11/05	170	01/05 0
31	High Normal	12/04	203	15/14 3	11/06	198	01/06 2
January 1991							
1	High Normal	12/05	218	10/13 3	11/07	215	05/08 1
2	Above Normal	12/06	228	08/08 2	11/08	212	08/09 2
3	Above Normal	12/07	226	04/05 2	11/09	202	10/11 2
4	Above Normal	12/08	230	09/08 3	11/10	193	10/12 3
5	Above Normal	12/09	235	05/06 2	11/11	197	13/12 2

Propagation Watch

Propagation continues to be excellent on most bands. Solar activity has remained high enough to keep the higher HF bands (15-10 meters) open throughout the daylight hours. These bands close rather abruptly at local sunset, but keep an ear out for weak long-path openings a hour or more later.

There have been several large, active sunspot regions on the visible side of the sun for the past few weeks, but they have produced only C-class flares, not the band-destroying M and X class. Region 6412 is particularly large, and has the capacity to produce a major flare. When it rotates around the back side of the sun around Dec. 24, solar activity should drop significantly. Solar flux should drift downward to about 150 around Dec. 25, and then rise back above 200 as 1991 arrives.

Meanwhile, the low bands offer some excellent DX opportunities, as a very quiet geomagnetic field keeps signal-to-noise ratios high. Even minor solar flares can increase geomagnetic activity in the higher latitudes, eliminating the polar path, but the long nights in the northern hemisphere at this time of the year contribute to good openings on 80 and 40 meters. Try just before local dawn, and again at local sunset.



Regulars

■ **Asiatic RSFSR**	4K4POL	21010±	0200Z
■ **Balearic Islands**	EA6NB	7012	0645Z
■ **China**	BY4RB	21017±	0100Z
■ **Guam**	KG6DX	10M SSB	2100Z
■ **India**	VU2NI	14012	0100Z
■ **Jamaica**	6Y5IC	3510±	1130Z Sat.
■ **Korea**	HL3ØAP	21010±	0130Z
■ **Mauritius**	3B8FK	14025	0230Z
■ **Nigeria**	5NØSKO	14020	0630Z
■ **Paraguay**	ZP6XDW	10101	2330Z
■ **Pitcairn Island**	VR6BX	10M SSB	1500Z
■ **Rwanda**	9X5HG	21015±	0100Z
■ **South Shetlands**	HFØPOL	14215	0200Z
■ **Sri Lanka**	4S7CF	20M CW	0030Z

CW Worked All Zones

A reminder: *The DX Bulletin* will award a special trophy to the first *The DX Bulletin* reader to work all 40 CQ zones on CW in 1991. Send your list of 40 QSOs (no QSLs required) to Box 50, Fulton CA 95439 as soon as possible.

DXpedition Equipment Wanted

■ Jack Haden **T3ØJH** is looking for a used Yaesu FT-980 or Kenwood TS-930 with built-in antenna tuner for his Pacific DXpeditions. Contact *The DX Bulletin* if you can help.

■ Jon Severt WB8YJF is trying to get some RTTY gear to FH8EJ. He will donate an IRL FSK-500 terminal unit. Can anyone help with a VIC-20 computer and software? Contact Jon at his *Callbook* address.

Notes From All Over

■ Wayne W6EUF reminds DXers that **Martti Laine OH2BH**'s book has not get been published. No, he cannot ship by Christmas. The book will be out early next year. Please be patient.

■ The Northern California DX Club has negotiated special reduced airfares on American Airlines in conjunction with the International DX Convention in Visalia April 12-14, 1991. To use the fares, call American at 800-433-1790, and mention STAR S3141W8 fare schedule. Your local travel agent can also access this special fare schedule.

■ **QSL Reprint Available:** A reprint of Ralph Hirsch K1RH's article on the Care and Feeding of QSL managers is now available without charge to managers and DXpeditioners. The article is a great way to instruct beginning DXers in proper QSL procedures. Contact *The DX Bulletin* for your free copies, and include them with the out-going QSL cards.

■ **Reminder:** There will be no Issue of *The DX Bulletin* published next week. The next Issue (#569) will be mailed **January 2, 1991**, and dated Jan. 5.

Contributors

This Issue of The DX Bulletin would not have been possible without the invaluable assistance of the following: KH6BZF, SESC, AB4PY, AC5K, AK1E, DXNS, JH1ROJ, K1CC, K1HDO, K2OLG, K2UO, K4GLU, K4LNA, K6FD, K6IR, K7ABV, K9LJN, KA1MUY, KA3DBN, KA7T, KG4O, KQ3S, KR2Q, KT7H, N1HN, N2KK, N4MM, N6IBP, N6TJ, NL7GP, NX7K, VE1RJ, WØJRN, W1AM, W1AW, W1BFT, W1HH, W1NH, W2AWA, W2GUP, W2VT, W4VQ, W6RFF, W6UQF, W7ZRC, W8CT, W8MEP, W9DH, WA1NPZ, WA2MZX, WA2VKS, WA3EEE, WB2UZR, WB8SFF, WC6I, WO6R, and WY2V. Many Thanks, and have a great 1991!

B . A . N . D . P . A . S . S

*Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet.*
All "portable" calls listed with country of operation first, regardless of format used on the air.

RTTY

KD7P/NH7	28092	2300	13	FL
UWØLZ	21088	0115	6	FL
V73BN	21083	0105	6	FL

160 Meters

BZ4SAA	1910	1548	8	WA
EA3JE	1837	0050	8	WA
HI8A	1826	0322	6	WA
UAØFZZ	1910	1130	8	WA

80 Meters

3W4DK	3505	1455	9	CA
6Y5IC	3506	1132	15	FL
CO1HJ	3506	0410	5	CA
FM7BH	3508	2255	4	NH
FS/W2QM	3504	0137	11	FL
HP1XBH	3505	0202	5	CA
JA1HQT	3501	1045	6	NH
PY1OL	3501	0040	6	NH
SM5EDX *	3501	1520	2	WA
TF3DX	3501	1035	7	NH
UAØFM	3507	1110	6	NH
UAØXAO	3501	1308	6	ID
UA9UCO	3503	1430	2	WA
UB5LBB *	3505	1405	20	WA
UL7TX	3504	2255	6	NH
UM8MAA *	3501	0147	3	CA
VK6WJ	3507	1115	6	NH
VP2EXX	3512	2225	6	NH
YL1WW	3512	2300	12	FL
ZL4GY	3515	1215	8	NH

75 Meters

5NØETP	3792	0543	3	CA
EA9IE	3799	0130	9	MD
EI8H	3798	0810	2	CA
OY9JD *	3799	1448	1	CA
SV5TS	3798	0026	9	MA
VK6HE	3798	2127	10	NH
VK9NS	3799	0800	2	WA

40 Meters

4K4QQ	7001	1250	11	CA
4L4F	7009	0152	11	FL
4U/YU3PR	7008	2316	7	NJ
4U1ITU	7003	2228	12	FL
7X2AN	7007	2312	12	FL
BV2TA	7003	1435	21	WA
DU3/ K4SXT	7004	1130	15	FL
EA6NB	7011	0640	11	MA
EA8AB	7007	0048	13	FL
EA9KD	7016	0239	13	GA
FG4SO	7005	0150	11	FL
FH5EJ	14035	0309	13	GA
FK8GJ	7006	1540	27	WA
JWØGB	7003	1450	10	WA
JY9LC	7006	0202	5	VA
SV2AJX	7001	0245	13	FL
TF3DX	7002	1112	12	FL
UA2FX	7005	0540	2	WA
UA9MA	7006	1152	15	FL
UF6GAL	7005	0155	10	FL
UH3E/ UA9TF	7004	0307	14	FL
UM8MAA	7013	0220	7	IL
UZ9AWZ	7006	0214	11	GA
VK9LE	7006	1146	4	VA
VS6CS	7014	1452	10	WA
YN1CC	7002	1128	12	VA
YO9ALY	7004	0626	11	MA

30 Meters

4K1A	10104	2222	6	VA
6W1QB	10103	0005	11	FL
7X2AB	10102	2330	12	FL
DL8MX	10110	0722	9	CA
EA6ZY	10101	2148	15	FL
EA8AB	10106	0038	14	FL
FS/W2QM	10104	0305	12	FL
HI3/ DL8XE	10104	2218	10	FL
LZ1XL	10105	0437	11	CA
RVØYF	10108	0316	12	FL
UAØZC	10104	0434	9	CA
UA6JW	10107	0343	9	CA
YN/ SMØOIG	10105	2222	10	FL
ZP6XDW	10102	2330	3	VA
ZS5BK	10100	0300	12	FL

20 Meter CW

3B8FK	14026	0228	15	FL
4K2BDU	14003	0247	3	CA
4K2OIL	14024	2120	3	NH
4K4QQ	14012	0257	8	GA
4L4F	14018	0025	6	VA
4S7CF	14026	0030	11	GA
4S7TP	14004	0127	11	GA
5NØSKO	14021	0630	4	CA
9M2AX	14026	0003	7	MD
9V1JY	14006	1015	3	NC
BV2TA	14002	0530	6	MT
BV2TA	14004	1315	7	MA
ES1RA	14004	0341	3	NC
FR5DD	14005	0236	4	CO
FR5ZD	14003	0451	4	NC
GM3RFR	14032	1139	15	FL
	Shetland Islands			
J28NU	14004	0403	6	CO
JT1AA	14012	0245	8	NY
JT1CS	14030	0035	6	TX
JT1KAA	14003	0526	6	MT
JT8AA	14012	0121	8	CO
RI1DA	14024	0348	3	CA
RI8AI	14019	1300	7	MA
RI8AO	14025	0337	3	NC
RL7GA	14013	0314	8	CO
RW9HZZ *	14003	1248	6	MA
T32Z	14003	0232	8	NY
TL1AA	14004	0215	8	GA
UL7JGO	14015	0326	5	CO
UM8MAA	14019	0300	8	GA
UM8MBA	14025	0401	14	FL
UM8MY	14027	0410	7	ID
UM8QDX	14018	0316	8	CO
V31SW	14012	0409	3	NH
VU2LX	14020	1246	7	MA
VU2NI	14011	0110	11	GA
VU2TIC *	14010	1233	7	MA
Y9ØANT *	14015	2217	15	FL
ZD8LII	14019	2333	6	ID
ZP6XDW	14025	0253	10	ID

20 Meter SSB

4S7EA *	14197	2355	10	WA
4S7EF	14225	0125	4	MA
5N9FEA	14191	0600	4	CA
5R8JD	14160	2226	7	CA
8R1RBF	14165	1123	6	NY
9M2ZU	14201	1153	6	NY
9Q5TE	14191	0555	4	CA
9V1YQ *	14190	2330	10	WA
A71CD	14252	1717	10	NH
AP2JZB	14210	0354	6	MT
AP2ZR	14176	0250	7	CA
AP5HQ	14171	0217	8	CO
BY1QH	14175	0227	6	MD
C53GH	14194	2137	2	MD
EA9IB	14235	0136	9	VA
HFØPOL	14215	0209	3	MA
JT1BG	14195	0154	10	VA
JT7AA	14195	0252	8	FL
JWØGB	14204	1955	4	MI
KC4AAA	14304	0405	8	MD
KC4AAC	14223	1551	5	MD
TL8ND	14217	2025	4	MI
TL8WD	14222	2327	10	NH
UI9AAC	14165	0325	7	MT
UJ8XA	14216	0305	6	MT
UL7DA	14193	0334	7	MT
VP8BXK	14256	0047	7	MD
	South Orkneys			
VU2MYL	14210	1158	9	VA
VU2WAP	14200	0201	6	MT

17 Meter CW

8R1J	18074	2138	9	NY
LX2KQ	18072	1227	15	FL
OA4AMM	18077	2226	10	FL
UA2FET	18085	1425	9	FL
UH3E/ UA9TF	18078	1400	9	FL
UI8LA	18080	1332	9	FL
Y88POL	18073	2232	10	FL
	Antarctica			

17 Meter SSB

A61AD	18120	1220	6	NY
UP9HE	18132	1854	6	NY

15 Meter CW

3B8FQ	21008	1944	2	NH
3W4DK	21004	0014	8	NY
4K4POL	21006	0220	10	GA
4K4QQ	21017	0027	11	GA
9V1JY	21021	0028	12	GA
9X5HG	21021	0107	13	GA
A22GH	21007	2127	2	NH
BV2TA	21025	0023	9	NY
BY4RB	21019	0112	14	GA
BY5RA	21016	0139	7	ID
BZ4SA	21016	0143	15	FL
HL3ØAP	21013	0127	14	FL
TR8GL	21019	1259	4	IL
UA8TAA	21014	0200	7	CO
XUØAA	21026	0100	15	FL
YN1CC	21010	2249	2	MI
ZD8BOB	21012	1956	15	FL
ZP5XFB	21010	0057	15	FL

15 Meter SSB

A22AA	21316	2028	7	MI
JD1/ 7J1AIJ	21230	0314	14	GA
	Ogasawara			
T22KY	21306	0253	5	NY
TA2ZA	21335	1524	8	NH
VP8CES	21254	0113	6	MD
VS6BX	21240	0123	14	GA
ZD8BOB	21260	1934	9	GA

12 Meters

9L1US	24894	2234	12	FL
EA8AMT	24155	1756	2	MA
HR1LW	24903	0038	10	NY
UQ2GC	24943	1307	8	NJ
Z21CS	24948	1805	2	MA

10 Meter CW

3B8FQ	28008	1330	3	NH
BY4RB	28020	0052	12	GA
HC2G	28023	1557	9	FL
KD7P/NH7	28025	2230	13	FL
LX/DL1VJ	28014	1624	9	FL
OX3XA	28040	1858	8	ID
OX3XR	28025	1603	11	MA
RH5W	28022	1324	7	VA
SV4AAQ	28056	1508	9	FL
TR8GL	28008	1516	6	NY
UAØFM	28030	0033	10	MA
ZD8CUE	28024	1302	6	TX
ZD8CUE	28023	2222	5	CO
ZD8LII	28012	1250	29	NC
ZD8LII	28021	1934	15	FL

10 Meter SSB

3B8FU	28460	1307	3	ME
3DAØBK	28495	1824	4	NY
5N8HKC	28467	1444	9	MD
5Z4BI	28445	1222	9	NH
9L1FC	28490	1310	16	NJ
9Q5XO	28644	2020	9	MD
A61AD	28466	1329	3	NB
A71CD	28655	1245	8	MD
BV2A	28480	1250	11	GA
BV2WA	28493	0013	7	MD
CN2AQ	28479	1400	7	FL
CN8NS	28405	1245	6	NY
EA6BE	28492	1621	7	NH
FO4NR	28415	2247	6	MD
FR5DX	28552	1452	9	MD
HV3SJ	28495	1400	2	ME
JD1/ JH1MAO	28477	0125	6	CA
	Minami Torishima			
JY3ZH	28489	1455	3	NC
KG6DX	28564	2103	8	MD
KHØAC	28410	2258	9	MD
OD5MM	28490	1415	4	IL
OD5SE	28549	1245	10	NJ
OX3FV	28548	1820	15	NJ
OY9JD	28489	1523	8	MD
RF6FFS	28537	1240	10	NJ
SV5TS	28521	1335	4	IL
T22KY	28483	2104	4	VA
TA5C	28530	1335	10	NJ
TF3KM	28485	1458	2	ME
TL8WD	28449	1441	3	NC
TZ6VV	28590	1521	9	NH
UD7ØGF	28520	1240	16	NJ
V63AO	28477	2246	5	MD
VK9NS	28502	2241	5	MD
VR6BX	28474	1448	9	MD
VR6BX	28464	2355	6	MD
VS6WO	28538	0132	9	MD
VU2GRS	28540	1300	10	NJ
VU2MY	28510	1330	10	NJ
YI1BGD	28528	1255	6	NY
Z21BA	28650	1804	8	MD
ZD8BOB	28456	2119	3	NB
ZS8MI	28445	1405	3	MD

6 Meters

CU1EZ	50110	1429	8	MA
DL9AAK	50161	1507	8	MA
G3KNU	50151	1626	8	MA
GI4OPH	50145	1615	6	VA
GI8YDZ	50106	1529	9	MA
GJ8YDZ	50111	1504	8	MA
GMØEWX	50125	1455	8	MA
GW1EHI	50120	1607	6	VA
GW6JBN	50164	1647	8	MA
LA3EQ	50110	1545	9	MA
PAØVAJ	50127	1540	8	MA
PA2HJS	50140	1531	9	MA
PZ1EL	50110	1402	4	VA

Novice Band

CP2ASJ	28113	1632	9	FL
DF2GT	28124	1634	9	FL
EA1EXJ	28139	1641	9	FL
EC7DQU	28121	1633	9	FL
G3AVL	28129	1636	9	FL
OH1TFY	28115	1632	9	FL
ON4LY	28107	1646	9	FL
OZ3HA	28137	1637	9	FL
UB7VA	28109	1630	9	FL

The DX Bulletin

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Calendar

Issue 568 - December 21, 1990

(Changes and hot info in **boldface**.)

Afghanistan - YA	**YAØRR Dec. 23-Jan. 12**	**I566**
Anguilla - VP2E	**VP2EY Dec. 8-Jan. 12 CW**	**I566**
Antarctica - CE9	Y88POL 14160 0000Z	I566
Ascension - ZD8	ZD8LII 21014/2245Z 28016/12Z	I566
	ZD8Z Jan. 8-15	**I568**
	ZD8VJ Jan. 14-June	**I568**
Asiatic RSFSR	UAØFZ, FM, UV9YV 3504 1100Z	I566
	UAØXAF 14026 0320Z	I566
	4K4POL 21010± 0200Z	I568
Balearic Islands - EA6	EA6NB 7012 0645Z	I568
Barbados - 8P	**8P9EM to Jan. 1**	**I567**
Belize - V3	**V31JW/JV Dec. 18-23**	**I567**
	V31AW Dec. 26-Jan.1 CW	**I567**
Botswana - A2	A22GH 28020± 14-1900Z	I567
British Virgin Islands	**VP2V/W2GUP Jan. 18-Mar. 6**	**I568**
Cayman Is. - ZF	ZF2PL/ZF8 Dec. 17-28	**I564**
	ZF2NJ Jan. 19-Feb. 2 CW	I567
Chatham Island - ZL7	ZLØAAD/ADN/7 Dec. 20-Jan. 10	I566
China - BY	BY4RB 28024/01Z 21017±/01Z	I568
Dodecanese - SV5	SV5TS 28525 1300Z	I567
Easter Island - CEØ	CEØFFD 28010 1800Z+	I567
Eastern Malaysia - 9M	JH1ROJ/9M6 Dec. 20-26	**I568**
	9M8AX, BZ Jan. 25-27	**I568**
Equatorial Guinea	3C1EA 7001 2300, 0520Z	I567
Faroes - OY	OY9JD 28490 1730Z	I567
Franz Josef Land	4K2OIL 14023/21-01Z, 7002/0230Z	
	4K2BDU 14004 1800Z	I567
	4K2PGO 21230± 1800Z	I567
French Polynesia - FO	FOØCC Dec. 24-Jan. 9	**I568**
Glorioso - FR/G	FR5ZU/G this month?	**I567**
Grenada - J3	J37XC Dec. 3-Mar. 31	**I565**
Guam - KH2	KG6DX 10M SSB 2100Z	**I568**
Guantanamo - KG4	KG4DD 10M CW 1500Z	I567
India - VU	VU2NI 14012 0100Z	**I568**
Jan Mayen - JX	JX7DFA 28010/15Z 14028/2330Z	I566
Kirghizia - UM	UMØMO 7007± 1130Z	I566
Korea - HL	HL3ØAP 21010± 0130Z	**I568**
Lebanon - OD	OD5QX 28500± 1400Z	I567
Lord Howe Island	VK9LE 7003 1200Z	I567
Madagascar - 5R	5R8GN Dec. 29-Jan. 5?	**I567**
Maldives - 8Q	8Q7BX Dec. 24-Jan. 5 CW	**I566**
Malyj Vysotskij - 4J	in early 1991	I567
Marianas - KHØ	KHØF, KHØ/JA2SWJ Jan. 2-6	**I567**
Mauritius - 3B	3B8FK 14025 0230Z	**I568**
	3B8CF 14260 0200Z	I567
Mauritius - 3B	3B8FQ 28010 1900Z	I566
Mayotte - FH	FH5CB 14250± 0330Z	I566
Minami Torishima	JD1/JH1MAO 28465± 22-2300Z	I567
Mongolia - JT	JT1BG 14192 0200Z	I567
Namibia - V5	V51BG 20M SSB 0300Z Sat.	I567
Navassa - KP1	W5IJU/KP1 late March	I567
Nicaragua - YN	SMØOIG/YN 24895/14Z 14003/2230Z	
	YN1CC 40M CW 0620Z	I566
Nigeria - 5N	**5NØSKO 14020 0630Z**	**I568**
Norfolk Is. - VK9	VK9NS 28495 2245Z	I567
Niue - ZK2	ZK2XA/XB in Jan.	I566
Qatar - A7	A71AD 28419 1315Z	I566
Paraguay - ZP	**ZP6XDW 10101 2330Z**	**I568**
Pitcairn Is. - VR6	VR6BX 10M SSB **1500Z**	**I568**
Qatar - A7	A71CD 10M SSB 1300Z	I567
Rwanda - 9X	**On low bands Dec. 26-27**	**I568**
	9X5HG 21015± 0100Z	**I568**
St. Pierre - FP	FP5DX 7010/03Z 10103/21Z	I567
San Andreas - HKØ	HKØHEU 28495 1330z	I567
San Felix - CEØ	**XQØX Soon? SSB only**	**I563**
Saudi Arabia - HZ	HZ1HZ 28026 1300Z	I566
Senegal - 6W	6W6JX 28029/13Z 3504/0645Z	I566
Seychelles - S7	**S79GN Dec. 19-26**	**I567**
South Cooks - ZK1	**ZK1KH Nov. 28-Jan. 9 SSB**	**I564**
	by HA8XX, HA9RE in Jan.	I566
South Shetlands	HFØPOL **14215± 0200Z**	**I568**
Sri Lanka - 4S	4S7EA 14195± 0130Z	I567
	4S7CF **20M CW 0030Z**	**I568**
Tadzhikistan - UJ	UJ8KA 14170± 0200Z	I566
Taiwan - BV	BV2DA 14010/1330Z 28010/23Z	I567
Turkey - TA	TA5C 10M SSB 1400Z	I567
Turkmenistan - UH	UH8EA 28480±/13Z 14190±/02Z	I563
Tuvalu - T2	**T22KY on now**	**I567**
United Arab Emirates	A61AD 14190±/1245Z 28490± 12	I567
US Virgin Islands	**NL7GP/NP2 to Jan. 15**	**I568**
Uzbekistan - UI	UI9BWF 10M SSB 1230Z	I567
	RI1OA 20M CW 0200Z	I566
Vatican - HV	HV3SJ 28490± 1330Z	I567
Walvis Bay - ZS9	**ZS9Z Dec. 13-24**	**I564**
Western Sahara - SØ	SØ1A 28408/496 1820Z 7004/23Z	I567
Zaire - 9Q	9Q5UN 21009 2000Z	I565
	9Q5TE 14189 0500Z	I566
Zimbabwe - Z2	Z21CA 14035 0445Z	I564
Zone 18	UA9UCO 3502 11-1500Z	I567
Zone 29	VK6LK 3797 2100Z	I567